

**KRSG, USEPA, MDEQ MEETING**

**ALLIED PAPER, INC./PORTAGE CREEK/KALAMAZOO RIVER SUPERFUND SITE  
SUPPLEMENTAL REMEDIAL INVESTIGATION / FEASIBILITY STUDIES**

**LONG TERM MONITORING PROGRAM REVIEW**

**WESTIN HOTEL, DETROIT AIRPORT  
APRIL 5, 2007**

**MEETING AGREEMENTS**

MDEQ Action Item: Email copy of meeting presentation to meeting participants

**Fish Monitoring Program**

- MDEQ Action Item: Understand data needs for periodic review of fish consumption advisories
  - Sample sizes, species, size ranges, or other needs
- MDEQ Action Item: Arrange meeting with Joe Bohr regarding data utilization in the State's fish tissue monitoring program
- KRSG Action Item: Provide summary information of existing angler surveys to meeting participants
- General Objectives of adult resident fish tissue PCB monitoring
  - Long term trend monitoring
  - Provide data to State long term fish tissue contaminant monitoring program related to fish consumption advisories
- KRSG Action Item: Provide summary of fillet and whole body carp and smallmouth bass PCB data correlations for purposes of evaluating need for additional whole body sampling
- Comparison of D Ave., Mosel Ave., Kalamazoo Ave. fish data to be conducted
- MDEQ Action Item: Provide KRSG complete electronic database of PCB results including congener data available for all samples through 2006
- Consider using 2011 as the next long term monitoring point for the post removal action condition assessment in the former Plainwell Impoundment (avoid over sampling, allow for major transient effects to dissipate)
- Consider relative additional value of SPMDs and caged catfish to YOY smallmouth bass for monitoring the post removal action in the former Plainwell Impoundment

- Consider appropriateness / justification for continuing congener level analysis (vs. Aroclor) for YOY smallmouth bass
- Consider if monitoring of fish in Ceresco Reservoir should be continued. Compare Ceresco and Morrow Lake results from 2006 fish tissue analysis
  - Consider Morrow Lake as reference location for the downstream reach
- In development of the LTM Plan specifically account for method / procedural provisions to reduce uncertainty considering:
  - Specify specific criteria for YOY fish collection
  - Consistent number of fish per composite
  - Consistent set of locations / target species
  - Consistent sample sizes
  - Spatial limits on sampling areas
  - Collect samples across extent of individual areas
  - Consistent seasonal windows for sampling
  - Establish basis for long-term continuity in laboratory analysis
  - Review variability / precision in lipid analysis as basis for understanding lipid-normalized PCB concentrations for trend analysis
- Review 2006 fish tissue results as basis for refining long term plan

#### Water Column Monitoring

- MDEQ Action Item: Provide NEA's MDL study for the Kalamazoo River water
- MDEQ to consider specific objective statements for the water column monitoring program prior to next meeting
- KRSG Action Item: Provide proposed DQOs and rationale for water column monitoring program
  - Consider seasonal timing, number of samples, high vs low flow sampling, number of locations and frequency of sampling, detection limits, sample volumes
  - Consider flexibility, adaptation of plan based on results on ongoing basis

#### Next Steps:

- Share information per action items
- Plan to meet again in late June (approximately)